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FIGURE 1 -- PROGRAMMABLE PULSE SEQUENCER

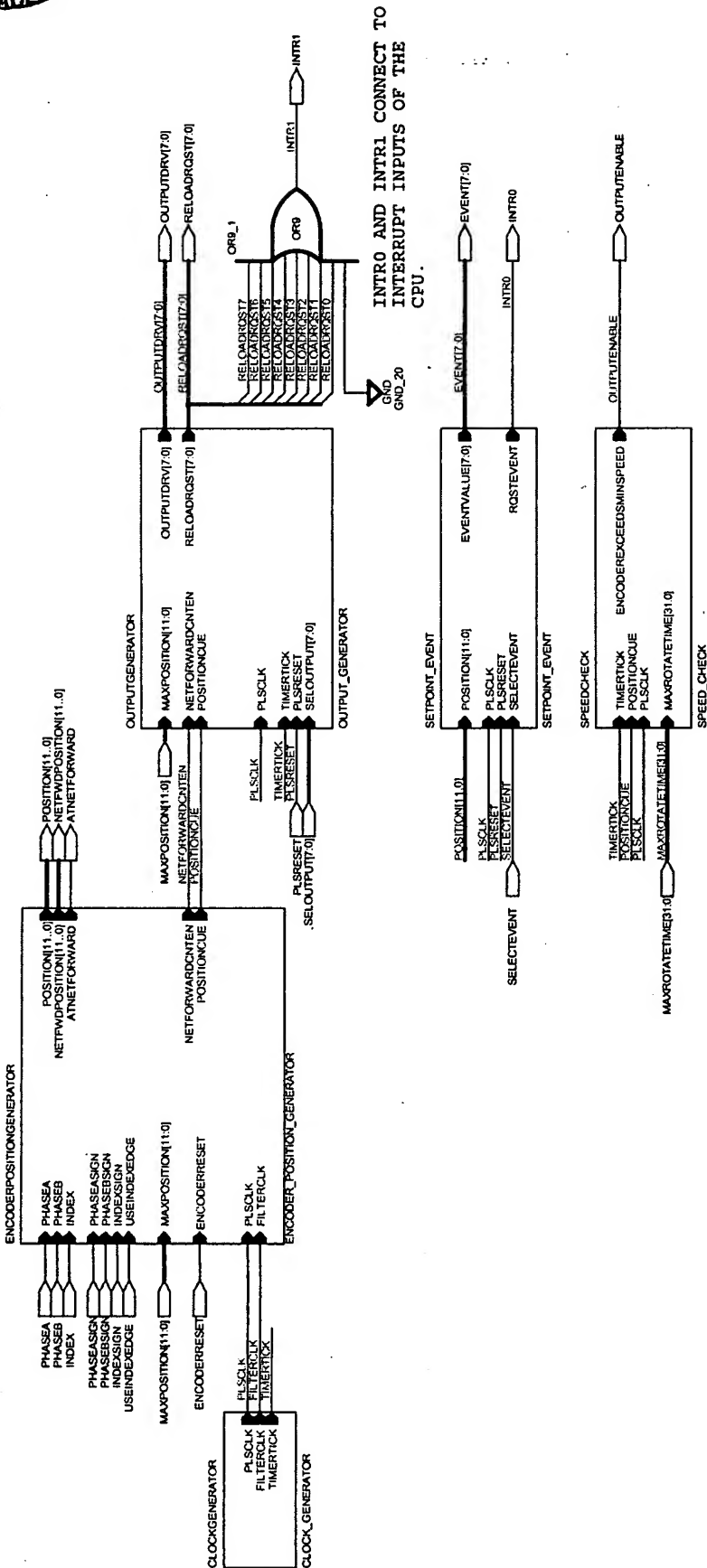


FIGURE 3 -- ENCODER POSITION GENERATOR

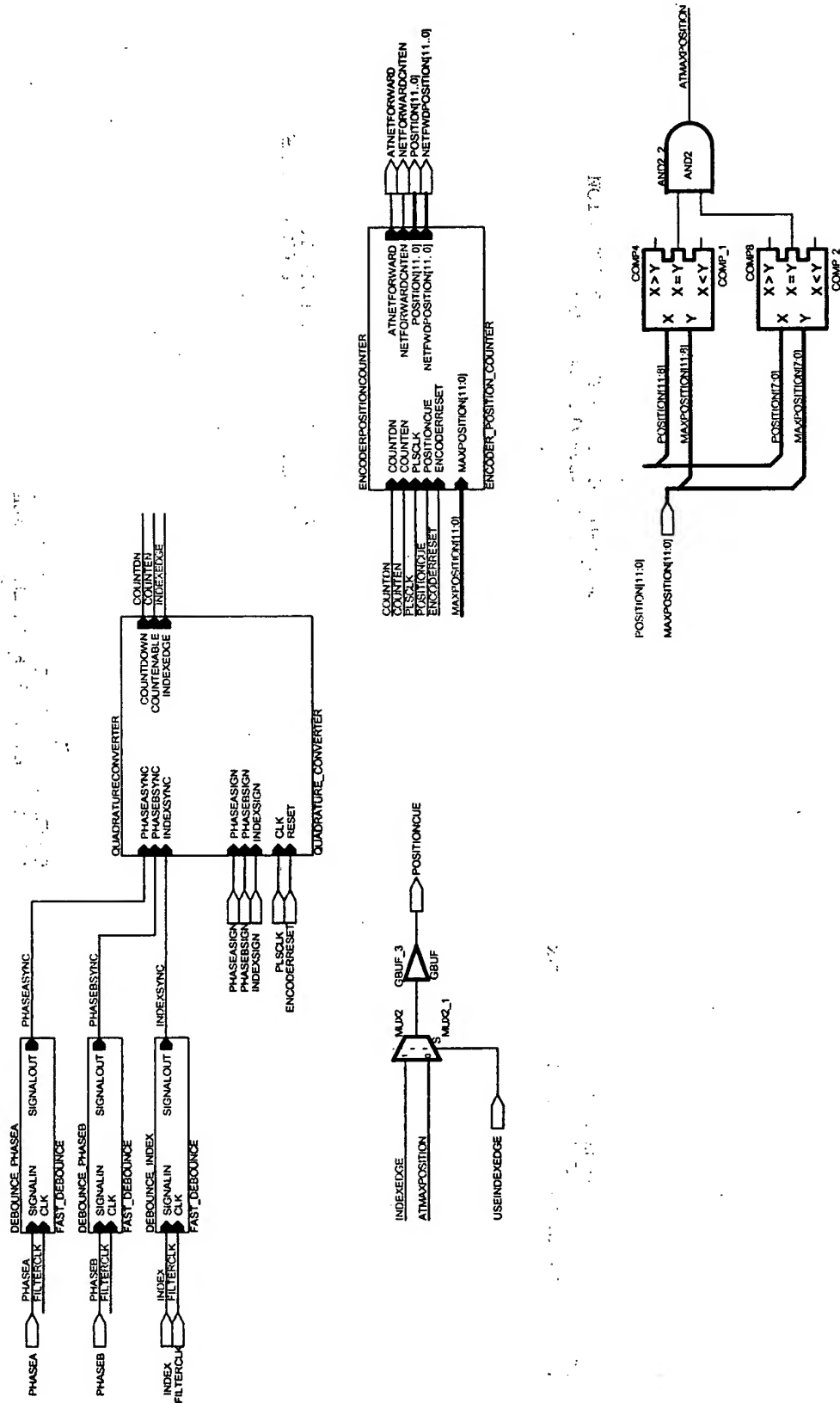


FIGURE 4 -- FAST SIGNAL DEBOUCE

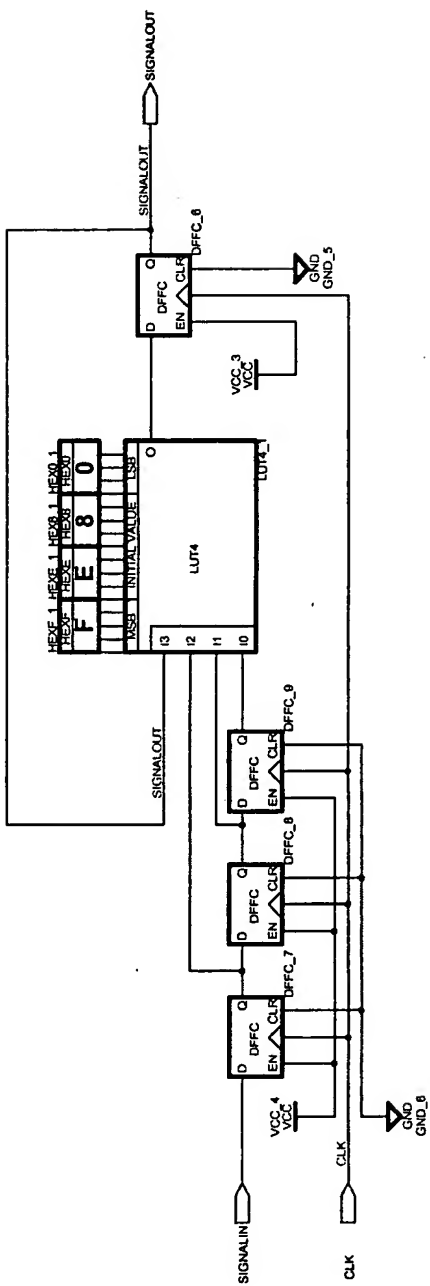
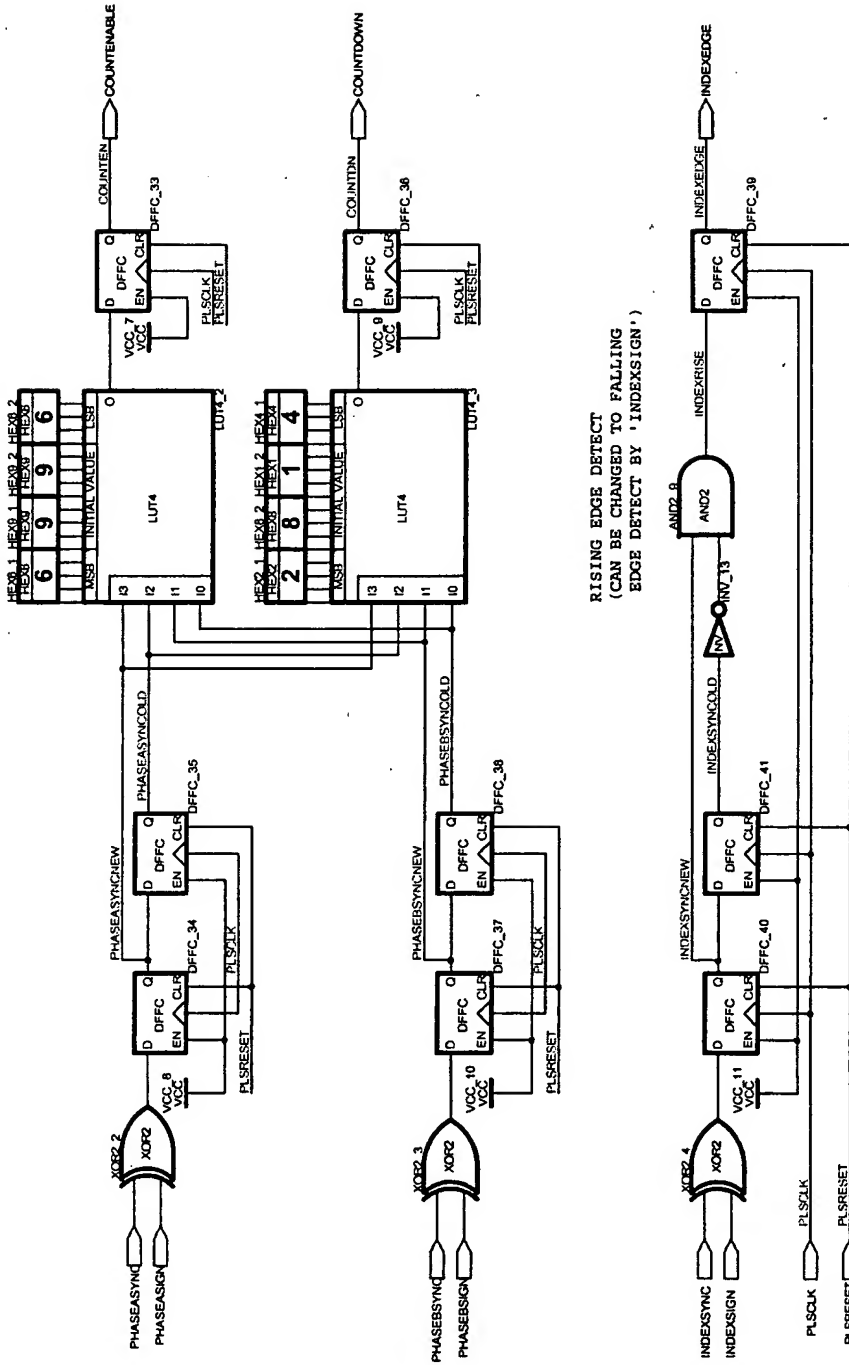


FIGURE 5 -- QUADRATURE CONVERTER



RISING EDGE DETECT
(CAN BE CHANGED TO FALLING
EDGE DETECT BY 'INDEXSIGN')

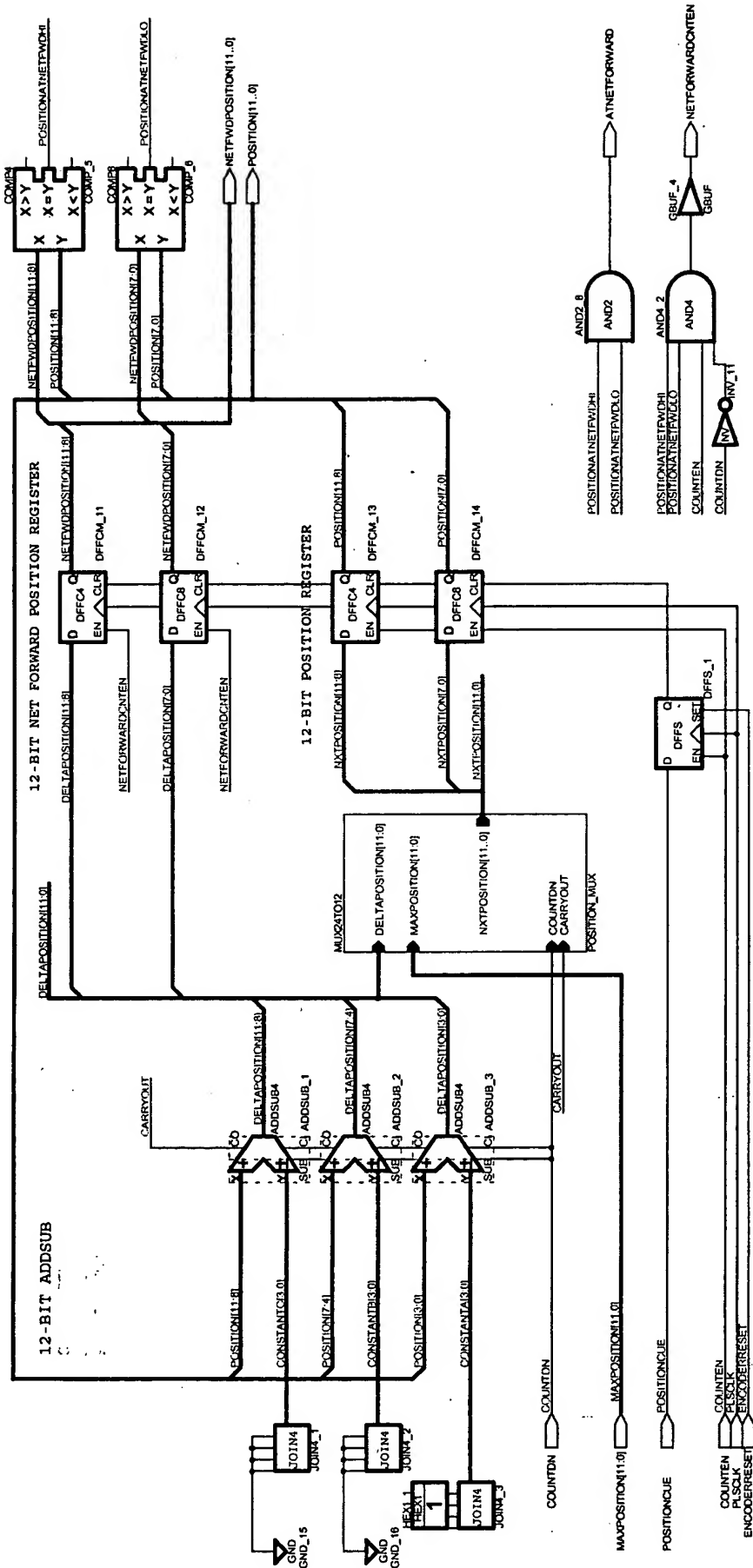


FIGURE 7 -- POSITION MULTIPLEXOR

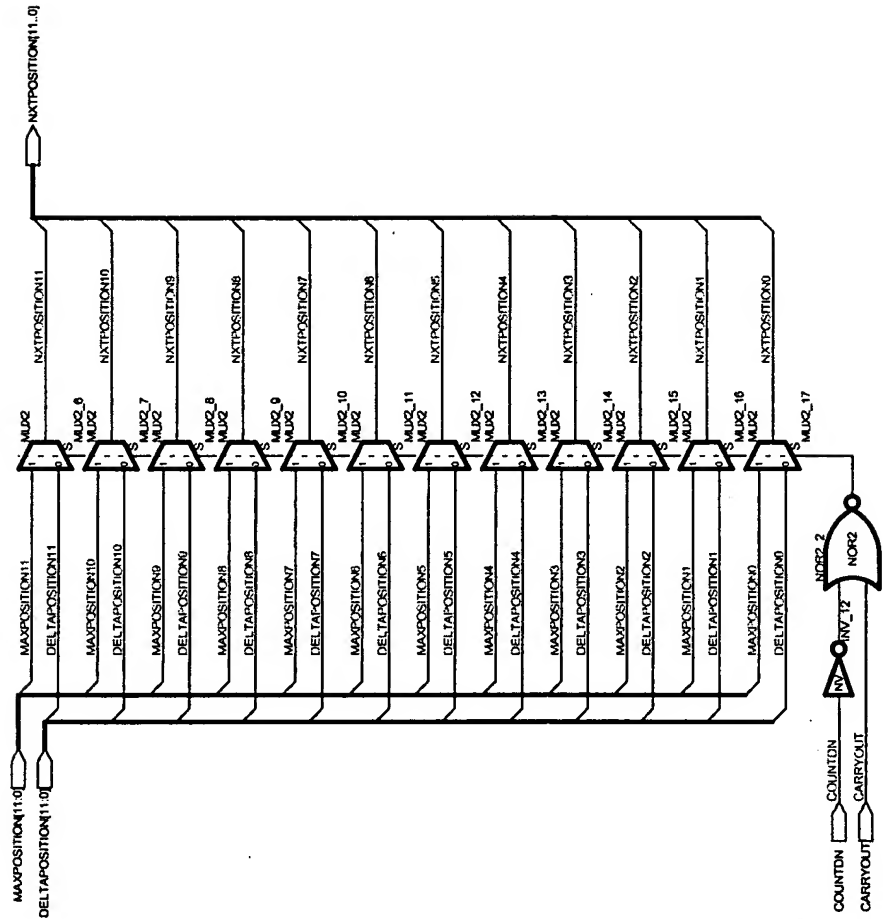


FIGURE 8 -- OUTPUT GENERATOR

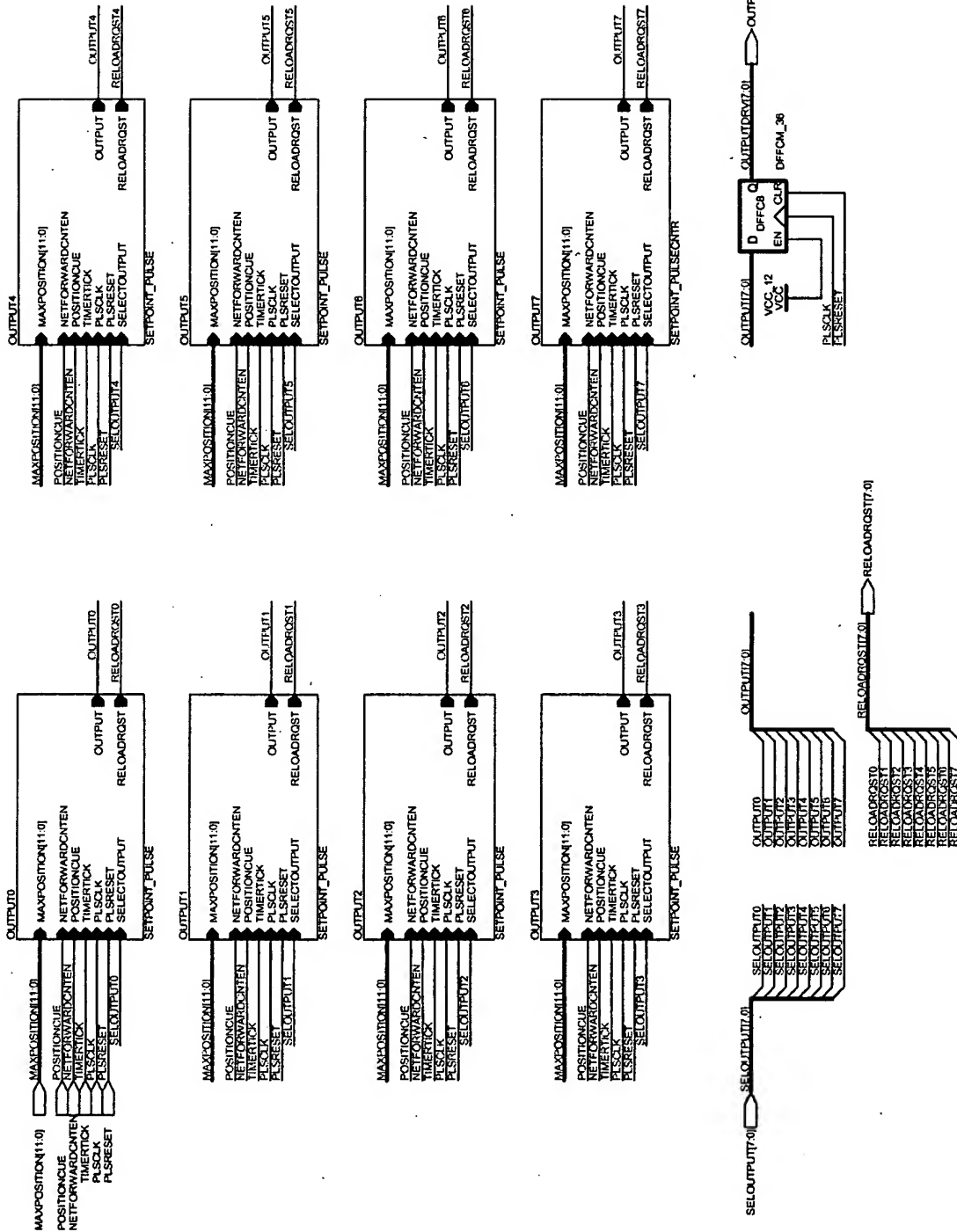


FIGURE 9 -- SETPOINT PULSE MODULE

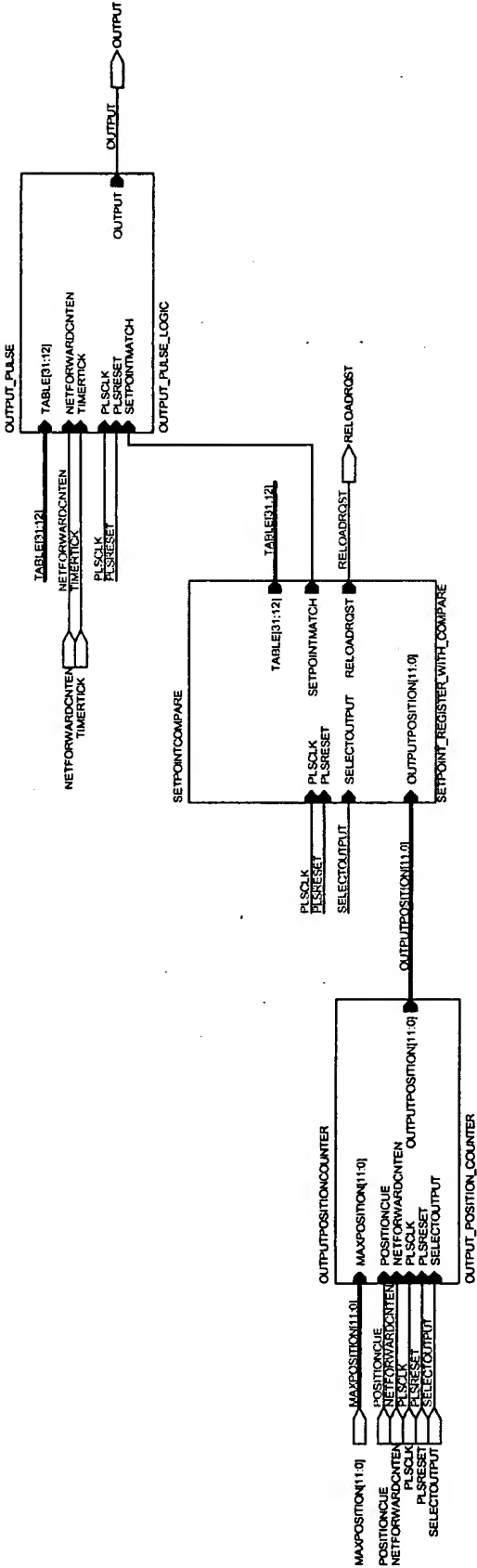


TABLE REGISTERS

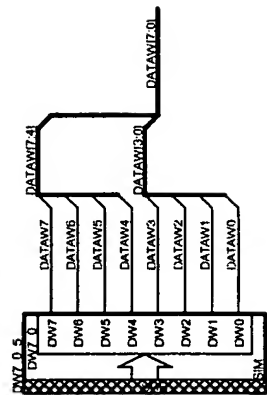
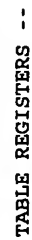


FIGURE 12 -- OUTPUT PULSE LOGIC

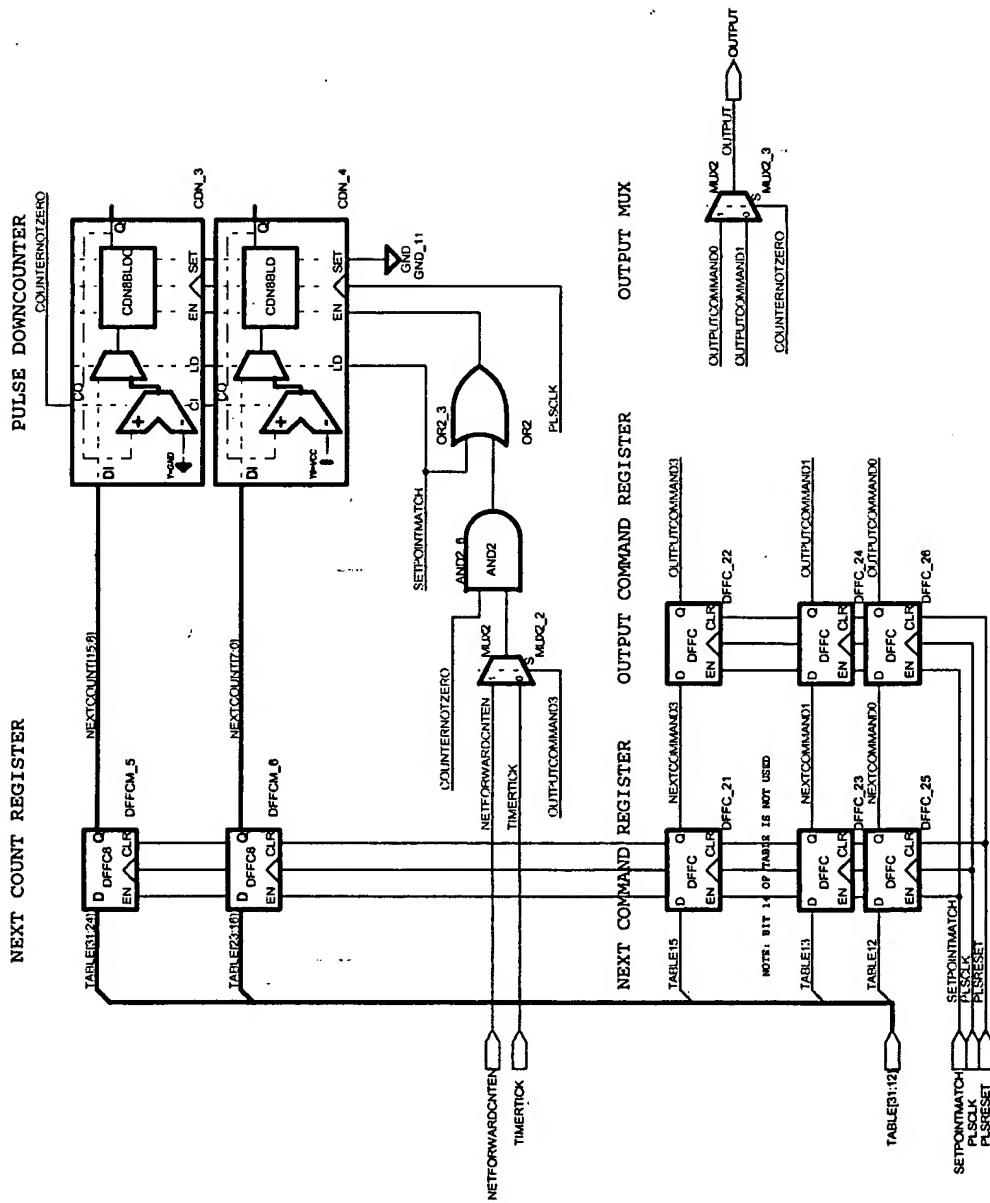


FIGURE 13 -- OUTPUT PULSE LOGIC WITH ADJUSTABLE WIDTH

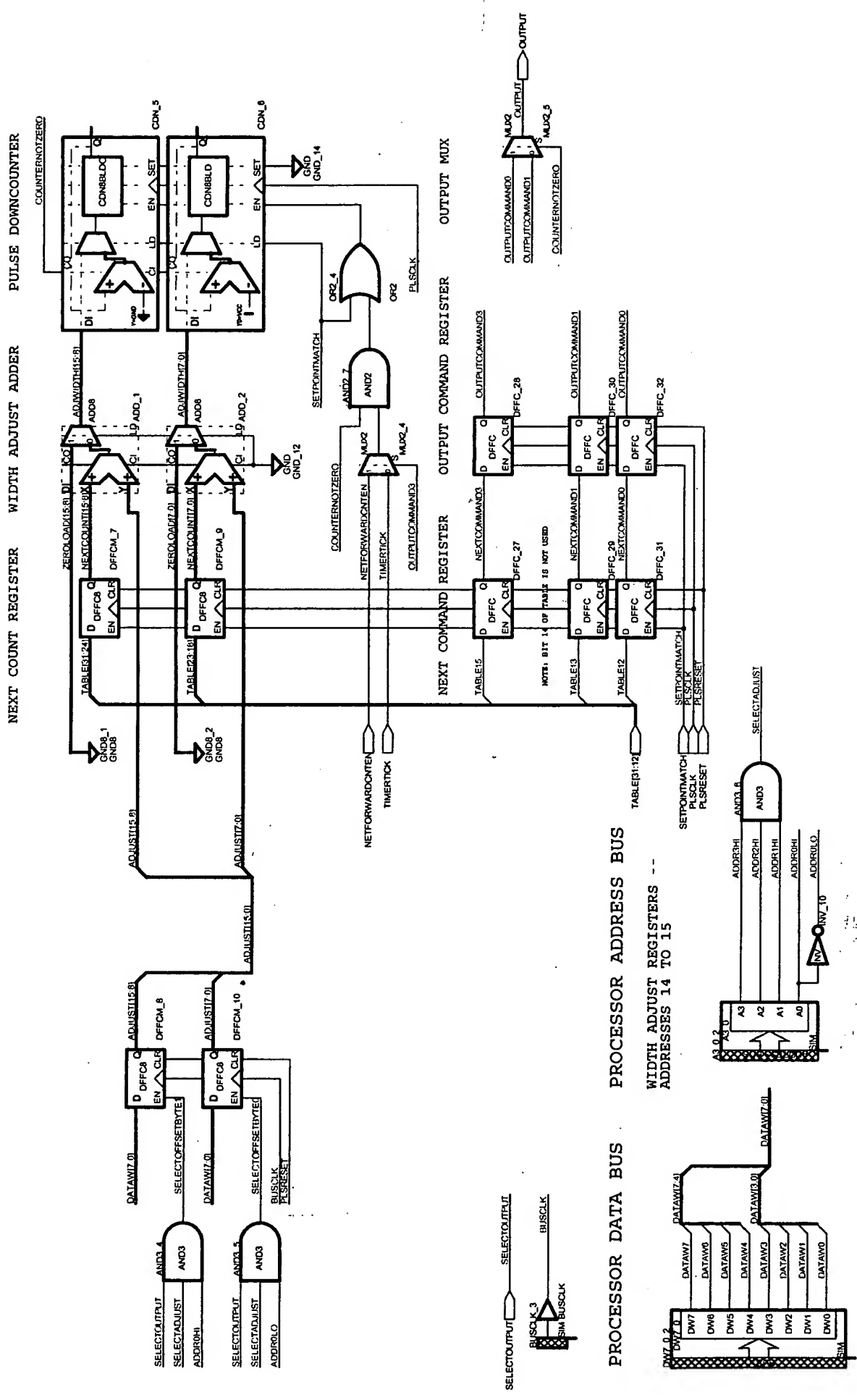


FIGURE 14 -- SETPOINT PULSE MODULE WITH OUTPUT PULSE COUNTER

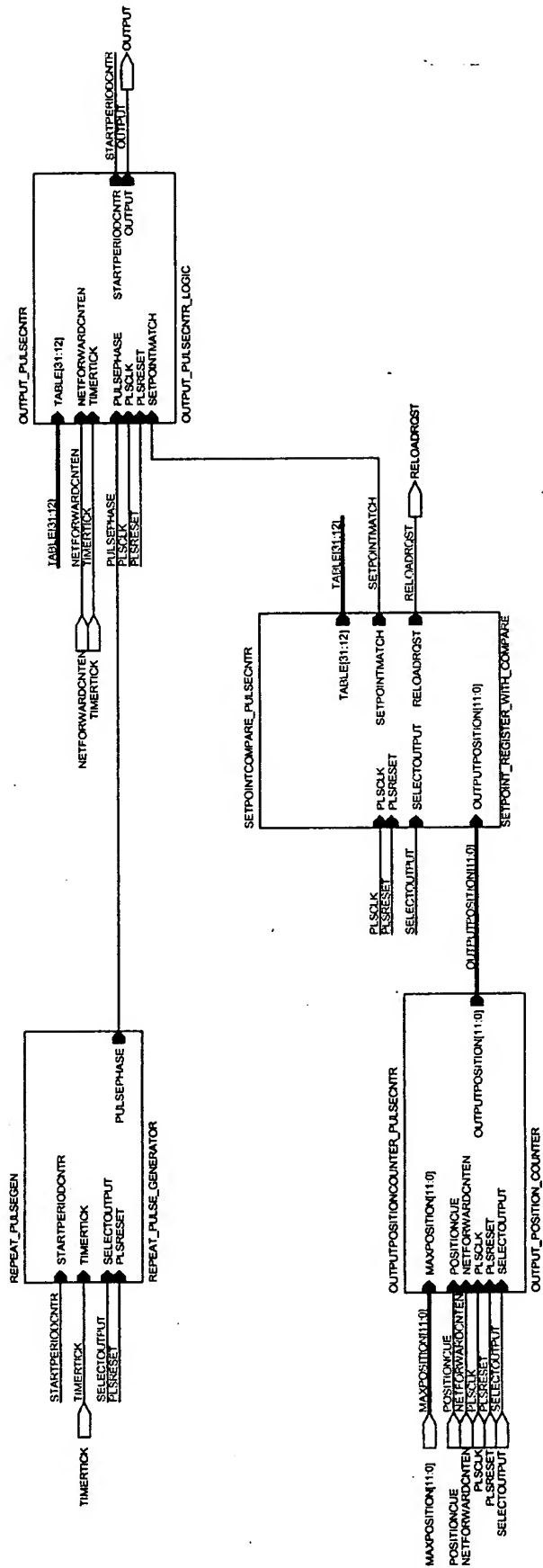


FIGURE 15 -- REPEAT PULSE GENERATOR

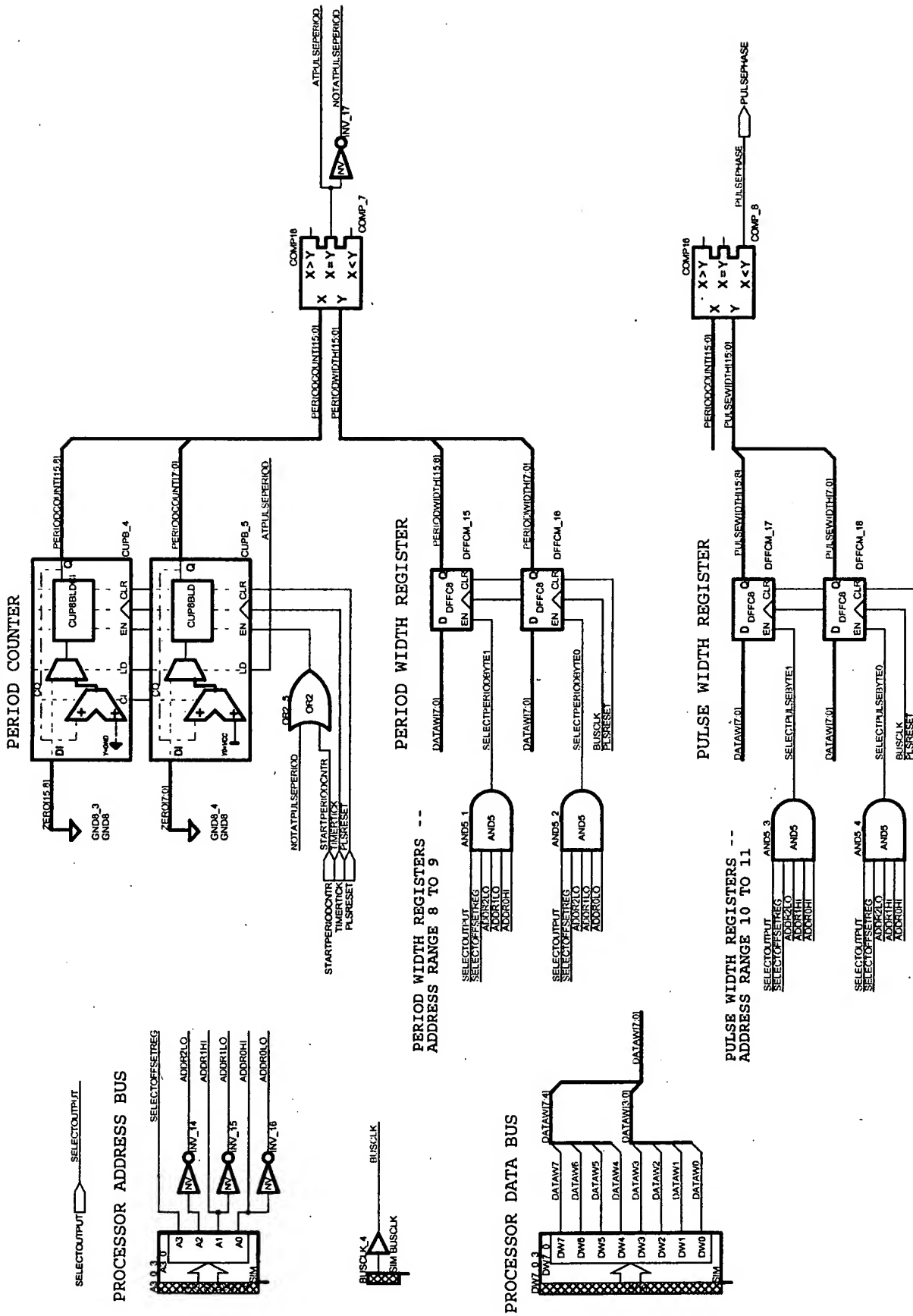


FIGURE 16 -- OUTPUT PULSE CNTR LOGIC

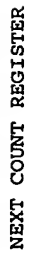


FIGURE 17 -- SET POINT EVENT

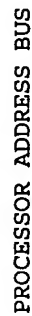


FIGURE 18 -- SPEED CHECK MODULE

